

Work Order ID 83873

April-26-12 2:45:02 PM

83873

Page 1

Item ID: D3065-3 Accept ***N900040100*** Setup Start ***NS1***
 Revision ID: Stop ***NS2***
 Item Name: Step Spacer
 Start Date: 26/04/2012 Start Qty: 50.00 ***50*** Cust Item ID:
 Required Date: 10/05/2012 Req'd Qty: 50.00 ***50*** Customer:
 Reference:

Approvals: Process Plan: MLJ Date: 12/04/26 Tooling: Date: Run Start ***NR1***
 QC: Date: SPC (Y/N): Date: Stop ***NR2***

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
Draw Nbr	Revision Nbr								
D3065	Rev B								
100		0.00							
100	FLOW WATER JET								
Waterjet	Memo	0.00							
FLOW CNC Waterjet	1-Cut as per Dwg D Dwg Rev: <u>B</u> Prog Rev: <u>B</u> 2-Deburr								
2024 .040	if necessary								
110		0.00							
110	QC2- Inspect parts off machine FAI/FAIB								
QC	Memo	0.00							
Quality Control									
120		0.00							
120	QC8- Inspect parts - second check								
QC	Memo	0.00							
Quality Control									

63 Ø Jm/SL
12-5-9

63 Ø Jm/SL
12-5-9

63 Ø Jm/SL
12-5-9

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

Work Order ID 83873

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Page 2

April-26-12 2:45:03 PM

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Start Date: 26/04/2012 Start Qty: 50.00 ***50*** Cust Item ID:
Required Date: 10/05/2012 Req'd Qty: 50.00 ***50*** Customer:
Reference:

Approvals: Process Plan: Date: Tooling: Date: Run Start ***NR1***
QC: Date: SPC (Y/N): Date: Stop ***NR2***

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
130		0.00							
130	Small Fab								
Small Fab	Memo	0.00							
Small Fab	Deburr Stack								
140		0.00							
140	NC BRAKE								
Brake NC	Memo	0.00							
Brake NC	Bend as per Dwg D3065								
150		0.00							
150	QC5- Inspect part completeness to step on W/O								
QC	Memo	0.00							
Quality Control									

N/A

63

12/05/16
12/05/17

center
163

5/12/05/17

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Dart Aerospace Ltd

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Accept

Setup Start ***NS1***

Stop ***NS2***

Start Date: 26/04/2012 **Start Qty:** 50.00 ***50***

Cust Item ID:

Required Date: 10/05/2012 **Req'd Qty:** 50.00 ***50***

Customer:

Reference:

Approvals: **Process Plan:** _____ **Date:** _____ **Tooling:** _____ **Date:** _____

Run Start *NR1*

QC: _____ Date: _____ SPC (Y/N): _____ Date: _____

Stop *NR2*

Operation Description

Set Up/ Run Hours

Tool ID	Tool #	Plan Code
---------	--------	-----------

**Accept
Qty**

Reject
QtyReject
Number

**Insp.
Stamp**

190

QC21- Final Inspection - Work Order Release

0.00

190

QC

Memo

0.00

Quality Control

Number Stamp

12/5/22

MF

12-05-22

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Picklist Print

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Page 1

Work Order ID: 83873

83873

Parent Item: D3065-3

D3065-3

Parent Item Name: Step Spacer

Start Date: 26/04/2012

Required Date: 10/05/2012

Start Qty: 50.00

Required Qty: 50.00

Comments: IPP: C02.11.01 Incorporated D3066-1 IPPKJ/RF
IPP Rev:D Now on Water Jet 06-04-11 JLM

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
M2024T3S.040		Purchased	No			100	sf	226.1912	0.2178	11.46316			

M2024T3S 040

**

2024-T3 .040 sheet

Location

Loc Qty

Loc Code

MAT022

226.1911626

117684

21.318421

120196

42.41

120605

66.4627416

121197

96

120196

5m/51
12-5-9

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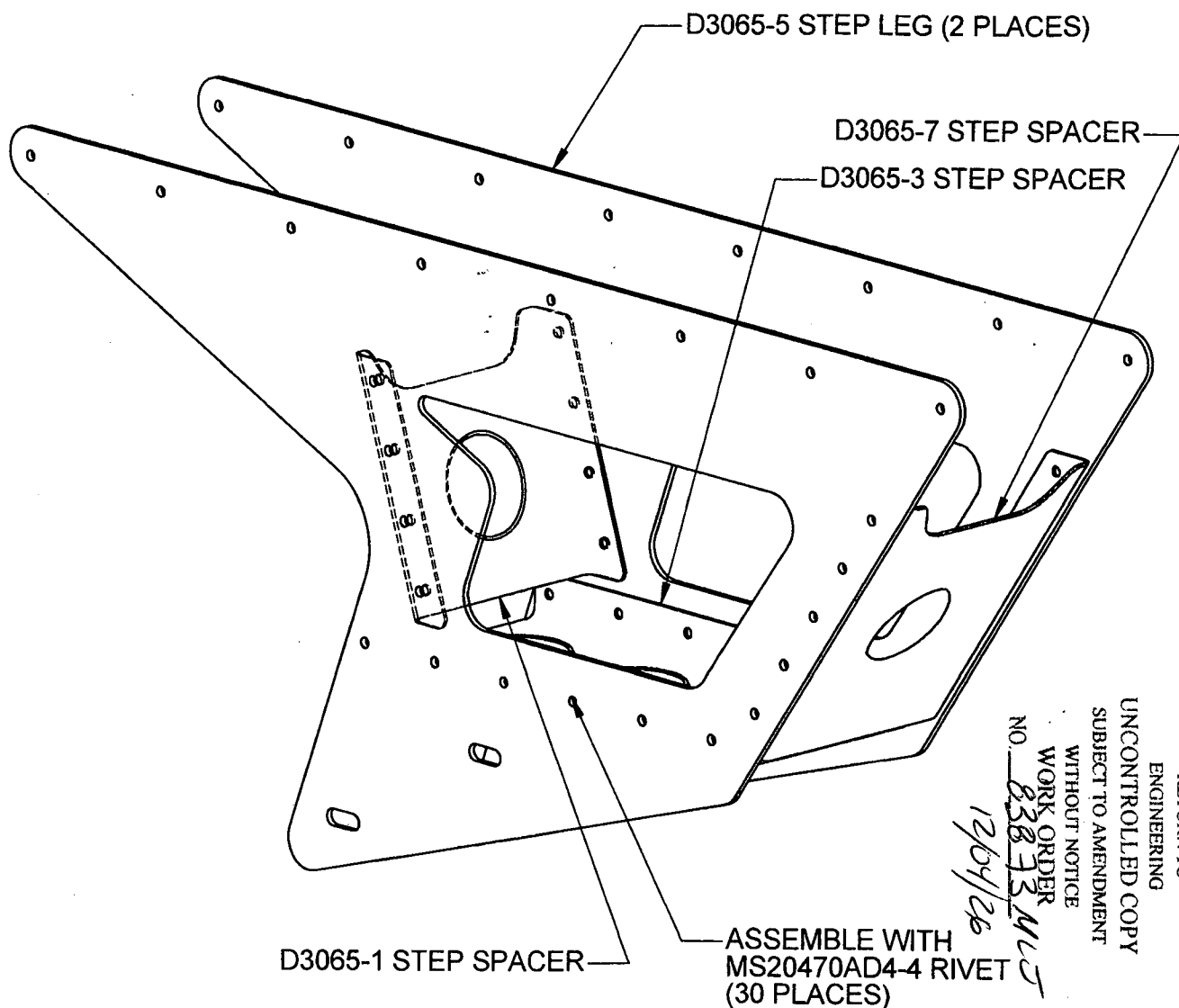
NOTE: Date & initial all entries



DESIGN <i>CP</i>	DRAWN BY <i>CB</i>	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
CHECKED <i>PH</i>	APPROVED <i>[Signature]</i>	DRAWING NO. D3065	REV. B SHEET 1 OF 5
DATE 06.05.23		TITLE STEP LEG ASSEMBLY	SCALE 1:2
A	02.09.11	NEW ISSUE	
B	06.05.23	ADD 6061-T6 MATERIAL, ADD SLOTS TO D3065-5	

RELEASED

06.06.20 *[Signature]*



D3065-041 STEP LEG ASSEMBLY

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Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

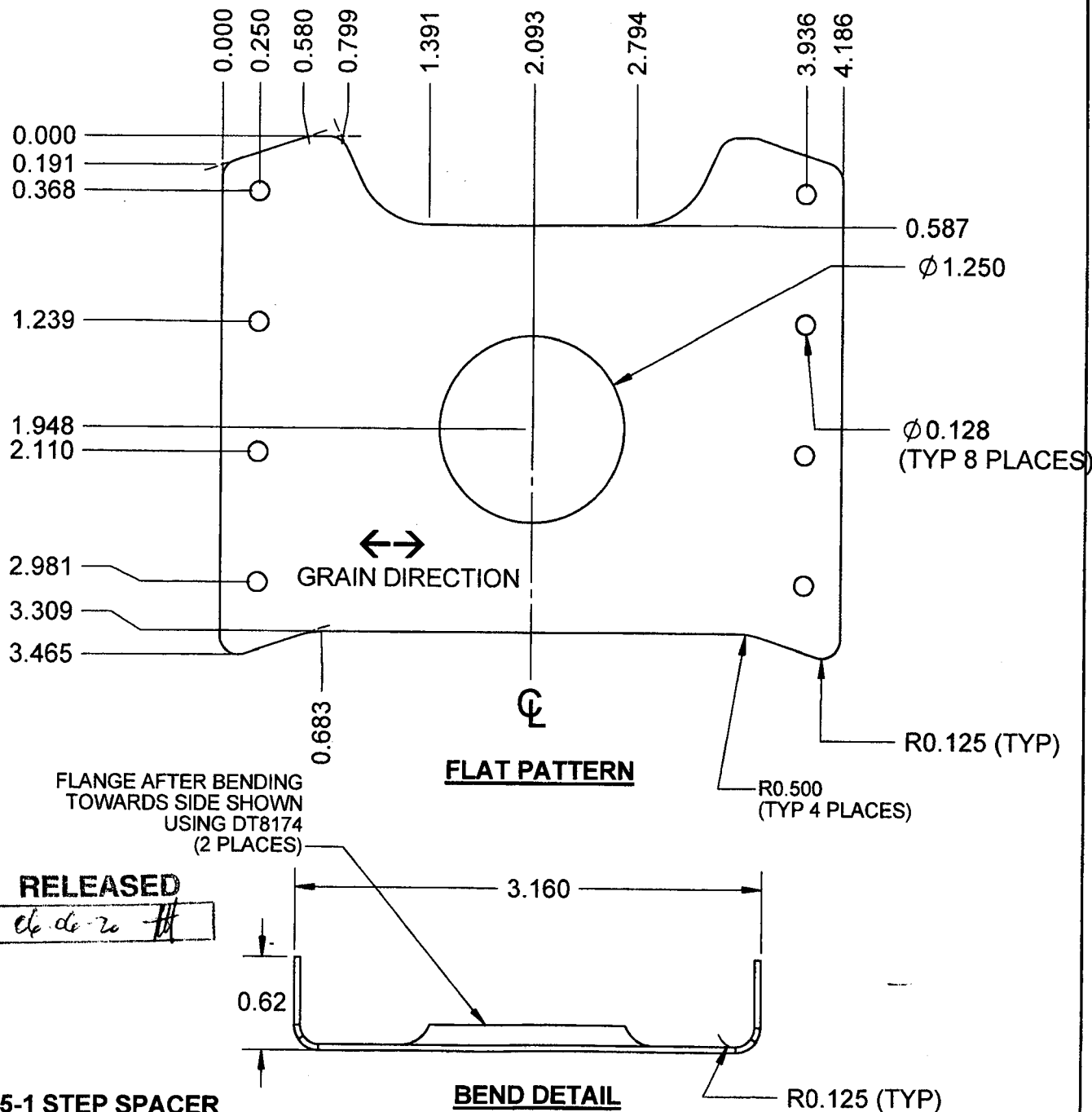
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DART

DESIGN <i>CP</i>	DRAWN BY <i>CB</i>	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
CHECKED <i>PH</i>	APPROVED <i>[Signature]</i>	DRAWING NO. D3065	REV. B
DATE 06.05.23		TITLE STEP LEG ASSEMBLY	SHEET 2 OF 5 SCALE 1:1

**D3065-1 STEP SPACER**

- 1) MATERIAL: 2024-T3 (QQ-A-250/4) 0.040 THICK (REF DART SPEC. M2024T3S.040)
- 2) FINISH: ACID ETCH & ALODINE PER DART QSI 005 4.1
- 3) BREAK ALL SHARP EDGES 0.005 TO 0.010
- 4) PART IS SYMMETRIC ABOUT CENTERLINE
- 5) TOLERANCES ARE PER DART QSI 018 UNLESS OTHERWISE NOTED
- 6) ALL DIMENSIONS ARE IN INCHES

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82873

W/O:		WORK ORDER CHANGES						
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector	

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

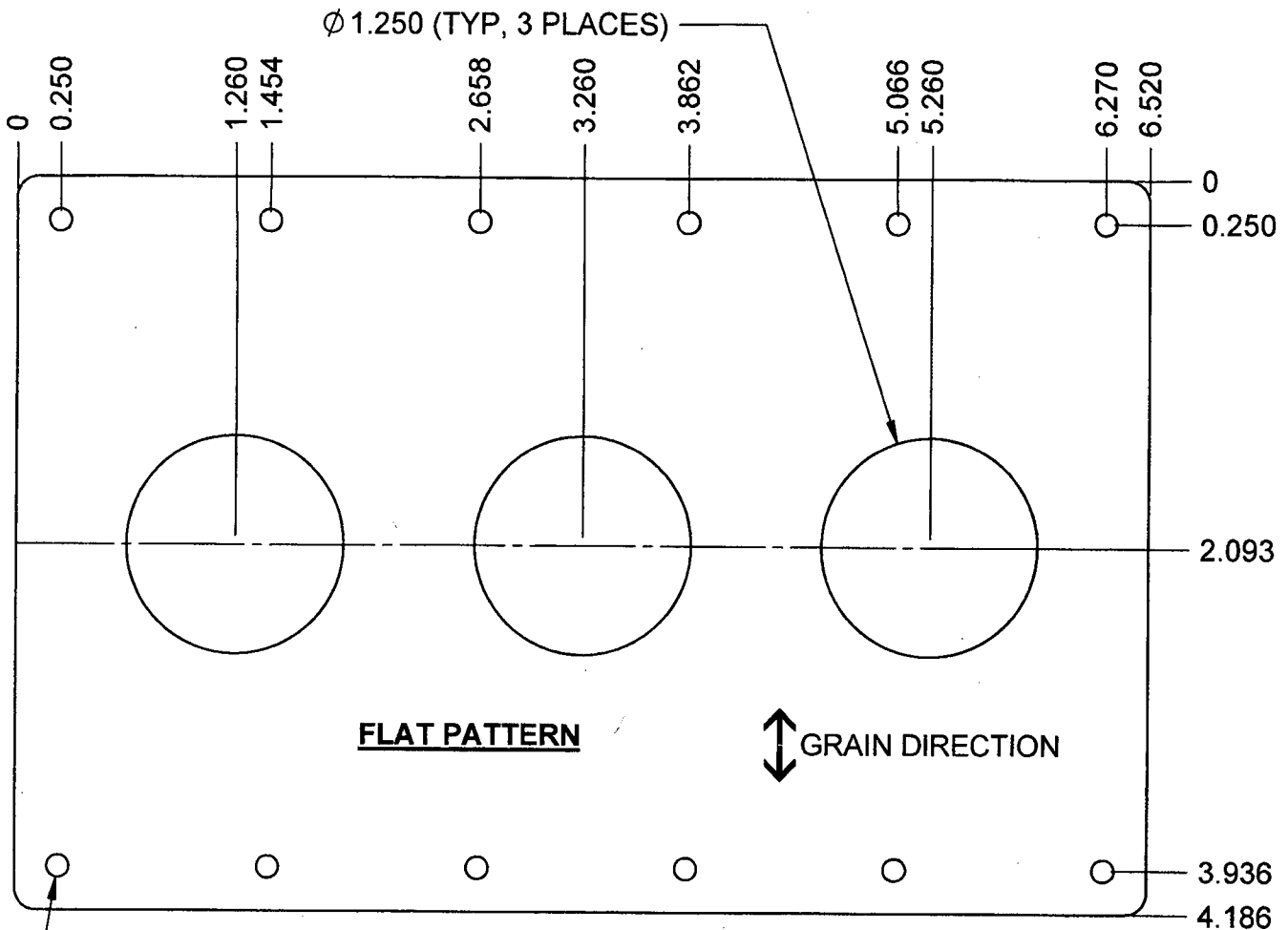
Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

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DART

DESIGN <i>CP</i>	DRAWN BY <i>CB</i>	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
CHECKED <i>PH</i>	APPROVED <i>[Signature]</i>	DRAWING NO. D3065	REV. B SHEET 3 OF 5
DATE 06.05.23	TITLE STEP LEG ASSEMBLY		SCALE 1:1

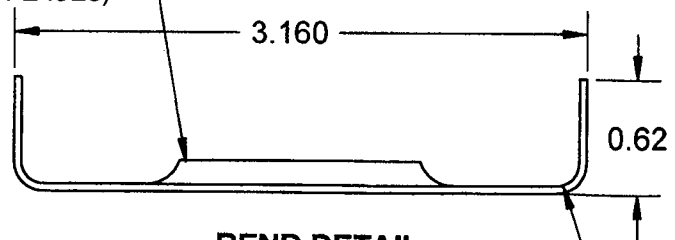


FLANGE AFTER TOWARDS SIDE
SHOWN USING DT8174 (3 PLACES)

Ø 0.129 (TYP, 12 PLACES)

RELEASED

06 06 20 *[Signature]*



BEND DETAIL

R0.125

03073

D3065-3 STEP SPACER

- 1) MATERIAL: 2024-T3 (QQ-A-250/4)
0.040 THICK (REF DART SPEC. M2024T3S.040)
- 2) FINISH: ACID ETCH & ALODINE PER DART QSI 005 4.1
- 3) PART IS SYMMETRIC ABOUT CENTERLINE
- 4) BREAK ALL SHARP EDGES 0.005 TO 0.010
- 5) TOLERANCES ARE PER DART QSI 018 UNLESS OTHERWISE NOTED
- 6) ALL DIMENSIONS ARE IN INCHES

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DART

RELEASED

66-6120-11

16.458

15.750 (2.250 PITCH)

$\phi 0.128$ (DRILL #30)
(TYP 23 PLACES)

8.325

1.640

3.484 (0.871 PITCH)

3.460 (0.865 PITCH)

0.741

2.770

6.020 (1.205 PITCH)

SEE DETAIL A

0.551

0.213

DETAIL A
(2 PLACES)

65-5 STEP LEG

1) MACHINE PER DWG FILE "D3065-5.SLDPRT"
 2) MATERIAL: 6061-T6 (PER QQ-A-250/11 OR AMS 4025 OR AMS 4027) 0.080" THICK
 (REF DART SPEC M6061T6S.080)
 OR
 5052-H32 (PER QQ-A-250/8 OR AMS 4016) 0.080 THICK (REF DART SPEC. M5052H32S.080)
 3) FINISH: ACID ETCH & ALODINE PER DART QSI 005 4.1
 4) BREAK ALL SHARP EDGES 0.005 TO 0.010
 5) TOLERANCES ARE PER DART QSI 018 UNLESS OTHERWISE NOTED
 6) ALL DIMENSIONS ARE IN INCHES

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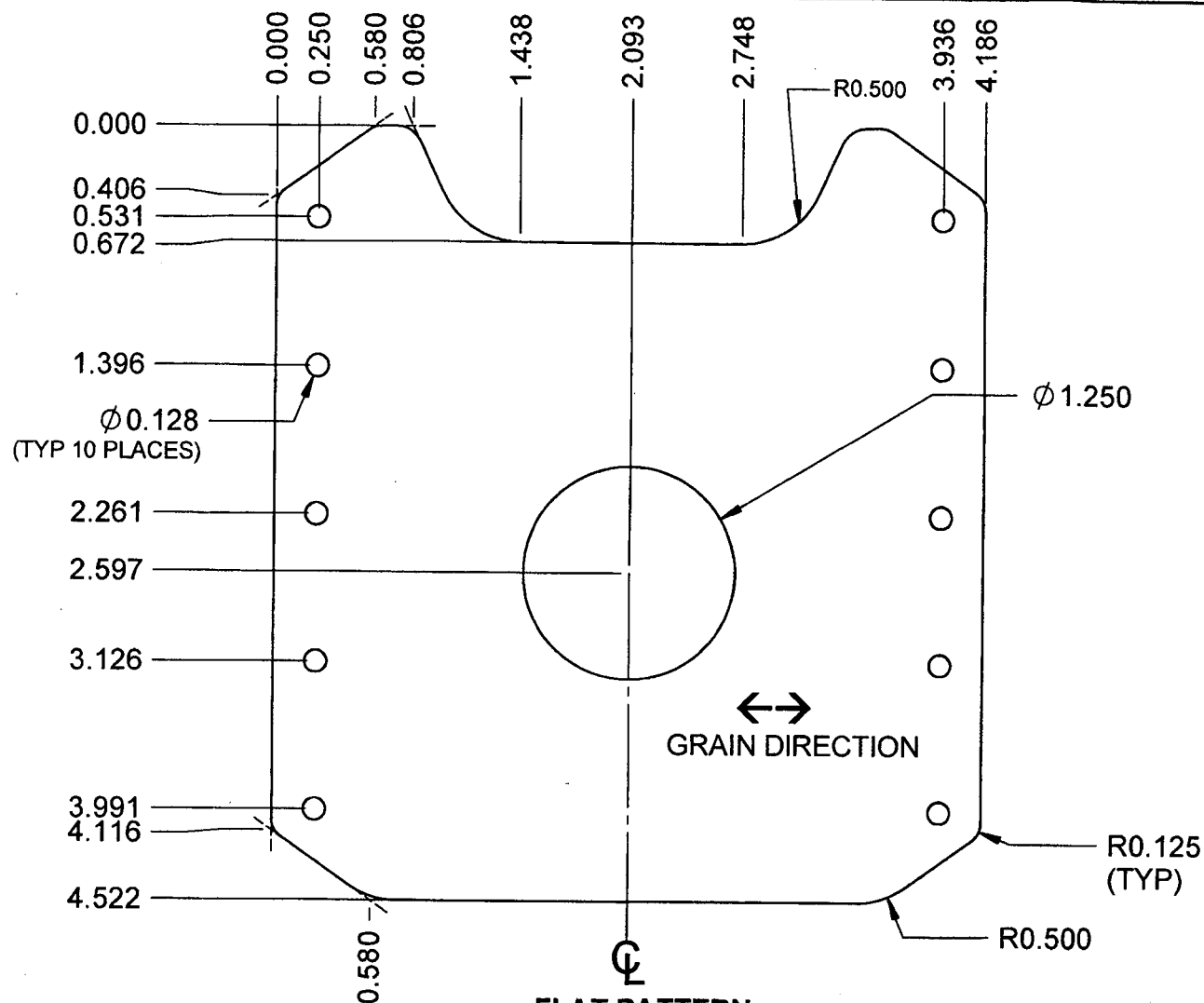
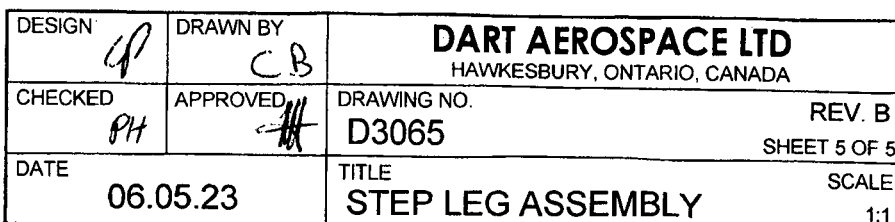
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NOTE: Date & initial all entries



FLANGE AFTER BENDING TOWARDS
SIDE SHOWN USING DT8174 (2 PLACES)

FLAT PATTERN

RELEASED

06 06 20

3.160

0.62

BEND DETAIL

R0.125 (TYP)

OK OK 20

D3065-7 STEP SPACER

- 1) MATERIAL: 2024-T3 (PER QQ-A-250/4) 0.040 THICK (REF DART SPEC. M2024T3S.040)
2) FINISH: ACID ETCH & ALODINE PER DART QSI 005 4.1
3) PART IS SYMMETRIC ABOUT CENTERLINE
4) BREAK ALL SHARP EDGES 0.005 TO 0.010
5) TOLERANCES ARE PER DART QSI 018 UNLESS OTHERWISE NOTED
6) ALL DIMENSIONS ARE IN INCHES

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